

SEQUENCE LISTING

5 <110> Andrade-Gordon, Patricia
Darrow, Andrew L.
Qi, Jenson

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120> DNA encoding human serine protease C-E

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30 <170> PatentIn Ver. 2.0

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35 <211> 1430

<212> DNA

40 <213> Homo sapiens

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20 <220>
<223> Description of Artificial Sequence: C-E catalytic

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<223> Description of Artificial Sequence: primer

oligonucleotide

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25 <223> Description of Artificial Sequence: primer

oligonucleotide

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer

oligonucleotide

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<210> 7

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5 <212> PRT

<213> Homo sapiens

10

<400> 7

Met Val Val Ser Gly Ala Pro Pro Ala Leu Gly Gly Cys Leu Gly

15

1

5

10

15

*

20

Thr Phe Thr Ser Leu Leu Leu Ala Ser Thr Ala Ile Leu Asn Ala

20

25

30

25

Ala Arg Ile Pro Val Pro Pro Ala Cys Gly Lys Pro Gln Gln Leu Asn

35

40

45

30

Arg Val Val Gly Gly Glu Asp Ser Thr Asp Ser Glu Trp Pro Trp Ile

50

55

60

35

Val Ser Ile Gln Lys Asn Gly Thr His His Cys Ala Gly Ser Leu Leu

40

65

70

75

80

Thr Ser Arg Trp Val Ile Thr Ala Ala His Cys Phe Lys Asp Asn Leu

85

90

95

5

Asn Lys Pro Tyr Leu Phe Ser Val Leu Leu Gly Ala Trp Gln Leu Gly

10

100

105

110

Asn Pro Gly Ser Arg Ser Gln Lys Val Gly Val Ala Trp Val Glu Pro

15

115

120

125

20

His Pro Val Tyr Ser Trp Lys Glu Gly Ala Cys Ala Asp Ile Ala Leu

130

135

140

25

Val Arg Leu Glu Arg Ser Ile Gln Phe Ser Glu Arg Val Leu Pro Ile

145

150

155

160

30

Cys Leu Pro Asp Ala Ser Ile His Leu Pro Pro Asn Thr His Cys Trp

165

170

175

35

Ile Ser Gly Trp Gly Ser Ile Gln Asp Gly Val Pro Leu Pro His Pro

40

180

185

190

Gln Thr Leu Gln Lys Leu Lys Val Pro Ile Ile Asp Ser Glu Val Cys

195

200

205

5

Ser His Leu Tyr Trp Arg Gly Ala Gly Gln Gly Pro Ile Thr Glu Asp

210

215

220

10

Met Leu Cys Ala Gly Tyr Leu Glu Gly Glu Arg Asp Ala Cys Leu Gly

15

225

230

235

240

20

Asp Ser Gly Gly Pro Leu Met Cys Gln Val Asp Gly Ala Trp Leu Leu

245

250

255

25

Ala Gly Ile Ile Ser Trp Gly Glu Gly Cys Ala Glu Arg Asn Arg Pro

260

265

270

30

Gly Val Tyr Ile Ser Leu Ser Ala His Arg Ser Trp Val Glu Lys Ile

275

280

285

35

Val Gln Gly Val Gln Leu Arg Gly Arg Ala Gln Gly Gly Ala Leu

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290

295

300

Arg Ala Pro Ser Gln Gly Ser Gly Ala Ala Ala Arg Ser

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310

315

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<210> 8

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<212> PRT

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: C-E catalytic

domain fusion protein

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5

10

15

35

Val Val Ser Asn Leu Leu Leu Cys Gln Gly Val Val Ser Asp Tyr Lys

20

25

30

40

Asp Asp Asp Asp Val Asp Ala Ala Leu Ala Ala Pro Phe Asp Asp

35

40

45

5 Asp Asp Lys Ile Val Gly Gly Tyr Ala Leu Glu Asp Ser Glu Trp Pro

50

55

60

10

Trp Ile Val Ser Ile Gln Lys Asn Gly Thr His His Cys Ala Gly Ser

65

70

75

80

15

Leu Leu Thr Ser Arg Trp Val Ile Thr Ala Ala His Cys Phe Lys Asp

20

85

90

95

Asn Leu Asn Lys Pro Tyr Leu Phe Ser Val Leu Leu Gly Ala Trp Gln

25

100

105

110

30

Leu Gly Asn Pro Gly Ser Arg Ser Gln Lys Val Gly Val Ala Trp Val

115

120

125

35

Glu Pro His Pro Val Tyr Ser Trp Lys Glu Gly Ala Cys Ala Asp Ile

130

135

140

40

Ala Leu Val Arg Leu Glu Arg Ser Ile Gln Phe Ser Glu Arg Val Leu

145

150

155

160

5 Pro Ile Cys Leu Pro Asp Ala Ser Ile His Leu Pro Pro Asn Thr His

165

170

175

10

Cys Trp Ile Ser Gly Trp Gly Ser Ile Gln Asp Gly Val Pro Leu Pro

180

185

190

15

His Pro Gln Thr Leu Gln Lys Leu Lys Val Pro Ile Ile Asp Ser Glu

20

195

200

205

Val Cys Ser His Leu Tyr Trp Arg Gly Ala Gly Gln Gly Pro Ile Thr

25

210

215

220

30

Glu Asp Met Leu Cys Ala Gly Tyr Leu Glu Gly Glu Arg Asp Ala Cys

225

230

235

240

35

Leu Gly Asp Ser Gly Gly Pro Leu Met Cys Gln Val Asp Gly Ala Trp

245

250

255

40

Leu Leu Ala Gly Ile Ile Ser Trp Gly Glu Gly Cys Ala Glu Arg Asn

260

265

270

5 Arg Pro Gly Val Tyr Ile Ser Leu Ser Ala His Arg Ser Trp Val Glu

275

280

285

10

Lys Ile Val Gln Gly Val Gln Leu Arg Gly Arg Ala Gln Gly Gly Gly

290

295

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Ala Leu Arg Ala Pro Ser Gln Gly Ser Gly Ala Ala Ala Arg Ser Ser

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315

320

20

Arg His His His His His

25

325

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<212> DNA

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oligonucleotide

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25 <223> Description of Artificial Sequence: primer

oligonucleotide

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<212> DNA

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oligonucleotide

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